

Region 7 Superfund Program  
Site Addendum  
for the Generic QAPP for Superfund Integrated Site Assessment Activities (November 1998)

Project Information:

Site Name:	City:	State:
EPA Project Manager:	CONTRACTOR Project Manager:	
Developed By: _____ Date: _____ Title: _____	Prepared For:	
Approved By: _____ Date: _____ Title: <u>EPA Project Manager (if developed by a Contractor)</u>	Prepared By: Date:	
Reviewed By: _____ Date: _____ Title: <u>Superfund Quality Assurance Coordinator (QAC)</u>	TDD: PAN:	

1.0 Project Management:

1.3 Distribution List

EPA--Region 7 Paul Doherty, EPA/START Project Officer _____, EPA Project Manager Bob Dona, Superfund QA Coordinator	<input type="checkbox"/> E&E/START _____, Project Manager Randy Schademann, QA Manager Hieu Q. Vu, START Program Manager  <input type="checkbox"/> OTHER CONTRACTOR: _____, Project Manager _____, QA Manager
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1.4 Project/Task Organization

\_\_\_\_\_, of the EPA Region 7 \_\_\_\_\_, will serve as the project manager for the activities described in the Generic Integrated Site Assessment QAPP. \_\_\_\_\_, of the E&E/START or Other Contractor will serve as the project manager. The E&E or Other Contractor QA Manager, will provide technical assistance, as needed, to ensure that necessary QA issues are adequately addressed.

1.5 Problem Definition/Background:

Description: This ISA Site Addendum for the “*Generic Quality Assurance Project Plan for the Superfund Integrated Assessment Activities*”, dated November 1998 and contains documentation of the specific data quality objectives for the sampling activities described herein for the site named above only.

☐ Description attached

☐ Description in referenced report: \_\_\_\_\_  
Title Date

1.6 Project/Task Description:

<input type="checkbox"/> Pre-CERCLIS Site Screening	<input type="checkbox"/> Integrated PA/RSE	<input type="checkbox"/> Removal Assmnt (RSE)	<input type="checkbox"/> Other (description attached):
<input type="checkbox"/> CERCLA PA	<input type="checkbox"/> Integrated SI/RSE		
<input type="checkbox"/> CERCLA SI			
<input type="checkbox"/> CERCLA Combined PA/SI			

SCHEDULE:

1.7 Quality Objectives and Criteria for Measurement Data:

a. Accuracy:	<input type="checkbox"/> Per the Generic QAPP	<input type="checkbox"/> Identified in attached table
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- |                        |   |   |
|------------------------|---|---|
| b. Precision:          | <input type="checkbox"/> Per the Generic QAPP | <input type="checkbox"/> Identified in attached table |
| c. Representativeness: | <input type="checkbox"/> Per the Generic QAPP | <input type="checkbox"/> Identified in attached table |
| d. Completeness:*      | <input type="checkbox"/> Per the Generic QAPP | <input type="checkbox"/> Identified in attached table |
| e. Comparability:      | <input type="checkbox"/> Per the Generic QAPP | <input type="checkbox"/> Identified in attached table |

Other Description  
November 24, 1998:

- ☐ Identified in attached table
- ☐ Identified in attached table

\*A completeness goal of \_\_\_\_ percent has been established for this project. However, if the completeness goal is not met, EPA may still be able to make site decisions based on any, or all of, the remaining, validated data. The following samples are critical samples for the reasons stated: (identify critical samples and the reason they're critical.)

**1.8 Special Training/Certification Requirements:**

- ☐ OSHA 1910      ☐ Special Equipment/Instrument Operator (describe below):      ☐ other (describe below):

**1.9 Documentation and Records:**

- |   |   |  |                                    |   |
|---|---|--|------------------------------------|---|
| <input type="checkbox"/> field sheets     | <input type="checkbox"/> site log               | <input type="checkbox"/> trip report   | <input type="checkbox"/> site maps | <input type="checkbox"/> video            |
| <input type="checkbox"/> chain of custody | <input type="checkbox"/> health and safety plan | <input type="checkbox"/> formal report | <input type="checkbox"/> photos    | <input type="checkbox"/> Other (specify): |

**2.0 Measurement and Data Acquisition:**

**2.1. Sampling Process Design:**

- |  |  |   |   |
|--|--|---|---|
| <input type="checkbox"/> Random sampling     | <input type="checkbox"/> Transect sampling                     | <input type="checkbox"/> Systematic random sampling           | <input type="checkbox"/> Stratified random sampling |
| <input type="checkbox"/> Search sampling     | <input type="checkbox"/> Systematic grid                       | <input type="checkbox"/> Screening w/ Definitive Confirmation | <input type="checkbox"/> Site Sample Map Attached   |
| <input type="checkbox"/> Definitive Sampling | <input type="checkbox"/> Screening w/o Definitive Confirmation |   |   |

**2.1. Sampling Process Design (cont'd):**

☐ Biased/judgmental sampling: The proposed sampling scheme will be judgmental, in accordance with “**Guidance for Performing Site Inspections Under CERCLA**”, OSWER Directive #9345.1-05, September 1992, and “**Removal Program Representative Sampling Guidance, Volume 1: Soil**”, OSWER Directive 9360.4-10, November 1991. Judgmental sampling is the subjective (biased) selection of sampling locations based on historical information, visual inspection, and the best professional judgement of the sampler.

Soil and groundwater sample locations will be selected to detect contamination near suspected sources and down gradient from them (see Section 1.7 of the Generic QAPP). Sample locations depicted in the attached site sketch are approximate and subject to change.

The number of samples are approximate and subject to change based on site conditions and the number of suspected source areas. The proposed number of samples is a balance between cost and coverage and represents a reasonable attempt to meet the study objectives while staying within a the budget constraints of a typical site investigation activity.

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Subsurface soil sample depths were selected to detect suspected downward migration of the contaminants in the vadose zone. The depth of the geoprobe groundwater samples was selected based on the suspected depth of the aquifer and the practical limitations of the sampling equipment for the soil conditions at the site.

**2.2 Sample Methods Requirements:**

☐ In accordance with the *Generic Quality Assurance Project Plan for Superfund Integrated Site Assessments*, November 1998.

☐ Other Description:

Matrix	Sampling Method	EPA SOP(s)

**2.3 Sample Handling and Custody Requirements:**

☐ In accordance with the *Generic Quality Assurance Project Plan for Superfund Integrated Site Assessments*, November 1998.

☐ Other (Describe):

**2.4. Analytical Methods Requirements:**

☐ Identified in attached table

☐ Identified in attached Analytical Services Request (ASR) Form

☐ Other (Describe):

**2.5. Quality Control Requirements:**

☐ Not Applicable

☐ Identified in attached table

☐ In accordance with the *Generic Quality Assurance Project Plan for Superfund Integrated Site Assessments*, November 1998.  
Describe Field QC Samples to be collected:

**2.6. Instrument/Equipment Testing, Inspection, and Maintenance Requirements :**

☐ Not Applicable

☐ In accordance with the *Generic Quality Assurance Project Plan for Superfund Integrated Site Assessments*, November 1998.

☐ Other (Describe):

**2.7 Inspection/Acceptance Requirements for Supplies and Consumables**

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☐ Inspection/acceptance requirements are in accordance with the *Generic Quality Assurance Project Plan for Superfund Integrated Site Assessments*, November 1998.

☐ Not Applicable

☐ Other (Describe):

## 2.8 Data Acquisition Requirements

☐ In accordance with the *Generic Quality Assurance Project Plan for Superfund Integrated Site Assessments*, November 1998.

☐ Other (Describe):

## 2.9 Data Management

☐ Data Management will be in accordance with the *Generic Quality Assurance Project Plan for Superfund Integrated Site Assessments*, November 1998.

☐ Other (Describe):

## 3.0 Assessment and Oversight:

### 3.1 Assessment and Response Actions:

☐ Peer Review

☐ Management Review

☐ Field audit

☐ Lab Audit

☐ Assessment and response actions pertaining to analytical phases of the project are addressed in Region 7 EPA SOPs 1610.1C and 1620.1A.

☐ Assessment and response actions pertaining to analytical phases of the project are addressed in the *Generic Quality Assurance Project Plan for Superfund Integrated Site Assessments*, November 1998.

☐ Other (Describe):

### 3.1.2 Corrective Action:

☐ Corrective Actions will be taken in accordance with the *Generic Quality Assurance Project Plan for Superfund Integrated Site*

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*Assessments*, July 1998.

☐ Other (Describe):

**3.2 Reports to Management:**

☐ Audit Report ☐ Data Validation Report ☐ Project Status Rpt. ☐ None required

☐ A letter report describing the sampling techniques, locations, problems encountered (with resolutions to those problems), and interpretation of analytical results will be prepared by START and submitted to the EPA.

☐ Reports will be prepared in accordance with the *Generic Quality Assurance Project Plan for Superfund integrated Site Assessments*, November 1998.

☐ Other (Describe):

**4.0 Data Validation and Usability:**

**4.1 Data Review, Validation, and Verification Requirements:**

☐ Identified in attached table

☐ Data review and verification will be performed in accordance with the *Generic Quality Assurance Project Plan for Superfund Integrated Site Assessments*, November 1998.

☐ Data review and verification will be performed by a qualified analyst and the laboratory's section manager as described in Region 7 EPA SOPs 1610.1C and 1640.1A.

☐ Other (Describe):

**4.2 Validation and Verification Methods:**

☐ Identified in attached table

☐ The data will be validated in accordance with Region 7 EPA SOPs 1610.1C and 1640.1A.

☐ Data validation/verification will be performed in accordance with the *Generic Quality Assurance Project Plan for Superfund Integrated Site Assessments*, November 1998.

☐ The EPA site manager will inspect the data to provide a final review. The EPA site manager will review the data, if applicable for laboratory spikes and duplicates, laboratory blanks, and the field blank to ensure that they are acceptable. The EPA site manager will also compare the sample descriptions with the field sheets for consistency and will ensure that any anomalies in the data are appropriately documented.

☐ Other (Describe):

**4.3 Reconciliation with User Requirements:**

☐ Identified in attached table

☐ In accordance with the *Generic Quality Assurance Project Plan for Superfund Integrated Site Assessments*, November 1998.

☐ Other (Describe):

Attachments:  
Table 1: Sample Summary

cc: Site File